

Abstract

Blasting method of array of onion-shaped drill holes having a cylindrical upper portion and an onion-like lowermost portion, in which an array of cylindrical drill holes is drilled in a site that should be blasted. For each of the cylindrical drill holes, an onion shape is imparted to the bottom portion of the drill hole. The onion shaped cavity is filled with a primary explosive charge, a portion of the drill hole, above the primary explosive charge, with buffer material, another portion of the drill hole, above the buffer material, is filled with a secondary explosive charge and the remaining portion of the drill hole is filled with additional buffer material. Then the primary and secondary explosive charges are detonated.